CLAIMS

1. A thermogenic gene SfUCPa derived from skunk cabbage, of which cDNA comprises the base sequence of SEQ ID NO: 1.

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- 2. A thermogenic gene SfUCPb derived from skunk cabbage, of which cDNA comprises the base sequence of SEQ ID NO: 3.
- 3. A thermogenic protein SfUCPA expressed from the gene SfUCPa of Claim
 1, which comprises the amino acid sequence of SEQ ID NO: 2.
 - 4. A Thermogenic protein SfUCPB expressed from the gene SfUCPb of Claim 2, which comprises the amino acid sequence of SEQ ID NO: 4.
- 5. A DNA fragment comprising the base sequence of SEQ ID NO: 1 or a partial sequence thereof.
 - 6. A DNA fragment comprising the base sequence of SEQ ID NO 3: or a partial sequence thereof.